前言　Preface

感谢您使用 XK3201YB 称重显示控制器，请接受我们真诚的谢意。

Thank you for useing XK3201YB Weight Controller Controller .

为了使您能够正确地使用该仪器，充分发挥 XK3201YB 的良好性能，希望您能在使用仪器之前，务必阅读本使用说明书。

In order to use this Controller correctly , give full play at the good performance of XK3201YB, you must read this operation manual before using the Controller .

［注意］[Note]

※ 不得擅自转载本说明书的部分或全部内容。

Can't reprint some or all contents of this manual without authorization .

※ 将来对本说明书进行修改时，不再另行通知。

No anouce else ,While revising this materials in the future.

※ 本说明书在编写中，虽然力求完善无误，但是难免有疑点，错误和遗漏之处。当您发现时敬请告知，谢谢各位的大力协作。

This manual in writing, though make every effort to perfect errorlessly, unavoidably there is a doubtful point, the mistake and place omitted. Please tell , thank everybody for everybody's energetical cooperation when you find.

一. 主 要 特 点

Main characteristic

. 由于采用了公认的优秀前置放大器（美国产）作为称重传感器的输入放大器，使本控制器具有超群的零点稳定性能和增益稳定性能。

. Adopted on general acknowledged outstanding pre-amplifier (MADE IN U.S.A.) as the introduction amplifier weighing the sensor , make this controller have superior zero point stability performance and gain the performance of stabilizing.

. 具有 300 次/秒的高速 A/D 转换处理，对于瞬间的重量变化也能迅速反应，从而大大提高了计量控制器的性能。

. With a high speed deal with A/D to change at 300 times per second , it is can react rapidly to change as to weight in the twinkling of an eye, thus improved the performance of measuring the controller greatly .

. 在全部输入范围内，都可保证 1/10，000 的显示精度。

. The control unit can guarantee 1/10,000 of the precision of controller In all inputting-ranges .

. 根据不同的使用目的，可以任选调节滤波器的强弱，来控制由于机械系统的振动而产生的影响，从而提高并保证高速、准确地计量。

. According to different purposes of using , can regulate the power of the wave filter optionally , to control the influence produced because of vibration of the mechanical system , thus improve and guarantee to measure high-speedly , accurately.

. 采用了数字间隔方式，简化了初始校准的操作过程。

. Have adopt the way of digital Span , has simplified the operation course of initial calibration .

. 采用目的性优先键的输入方式，即使是初次使用本公司的控制器也可以很容易地进行设定值等的输入操作。

. The introduction way to adopt preferential key of purpose, even if use the controller of our company to carry on the introduction operation of establishing value ,etc. very easily either for the first time.

. 由于采用了 VFD 荧光显示，使各种指示值、设定值及状态显示值都能清楚易见。

. Adopt VFD display make various kinds of person who point out , person who establish and status display value can clear easy to meet.

. 各种设定值、修正值、累计值等数据都存储在 FRAM（非易失性存储器）中，即使在突然停电的情况下也不会丢失数据。

. Such data as various kinds of settlement value , revising value , adding up to value ,etc. are stored in FRAM (non-volatile memory), even will not lose the data either in case of suddenly losing electrical power .

. 校准值等计量仪器的最重要数据都存储在 EEPROM 中。

. The most important data of such metrical instruments as calibration value ,etc. are all stored in EEPROM.

. 控制器内部具有监视 CPU、A/D 转换、I/O 输入输出口及显示芯片运作的自检功能，使之具有防止误操作的功能，从而提高了本系统的可靠性。

. Controller is it monitor CPU , A/D change , I/O is it output mouth and show self-checking function , chip of operation to input to have, make it have function preventing being operated by mistake , thus improved the dependability of this system.

. 备有 RS-232C/RS-485，D/A 转换器输入等选择接口。

. There is RS-232C/RS-485, D/A converter inputs etc. and chooses the interface .

二. 安 全 注 意 事 项

Safe precautions

使用本仪器时，请遵守以下注意事项。

Please observe the following precautions while using this instrument.

◆ 仪器接地

The instrument is grounded

为了防止电击事故以及静电干扰而引起的故障。请务必将本仪器的背面接线柱的 E 端直接与大地连接(接地)。并且一定要和其它电力设备的接地分隔开。

Trouble caused in order to prevent shocking by electricity the accident and static interference. Be sure to connect copies of the back E end of binding post of instrument with earth directly . Want with other electric earth of equipment separating.

◆ 禁止在危险的场所使用

Forbid using in the dangerous place

请不要在有可燃性气体或可燃性蒸气的场所使用本仪器。有关在这种场所使用的事宜，请与本公司商谈。

Please don't be having places of flammable gas or flammable vapour that are using an instrument. About the matters that are used in this kind of place, please discuss with our company.

◆ 电源

Power

电源用 AC220V（-10%—15%） 50~60HZ，最大消耗功率 10VA。在电源情况不好的场所使用时，我们推荐您使用稳压变压器。

The power uses 50~60Hz of AC220V (- 10%-15%), the power 10VA of largest consumption. When the place not good of the situation of the power is used, we recommend you to use voltage stabilized transformer .

◆ 使用温度

Temperature for work

本仪器在-20℃~+40℃的温度范围内工作，请不要安装在日光直射的场所。

Arrang of temperature in use: -20℃~+40℃. Don't install at sunlight area.

◆ 保存温度

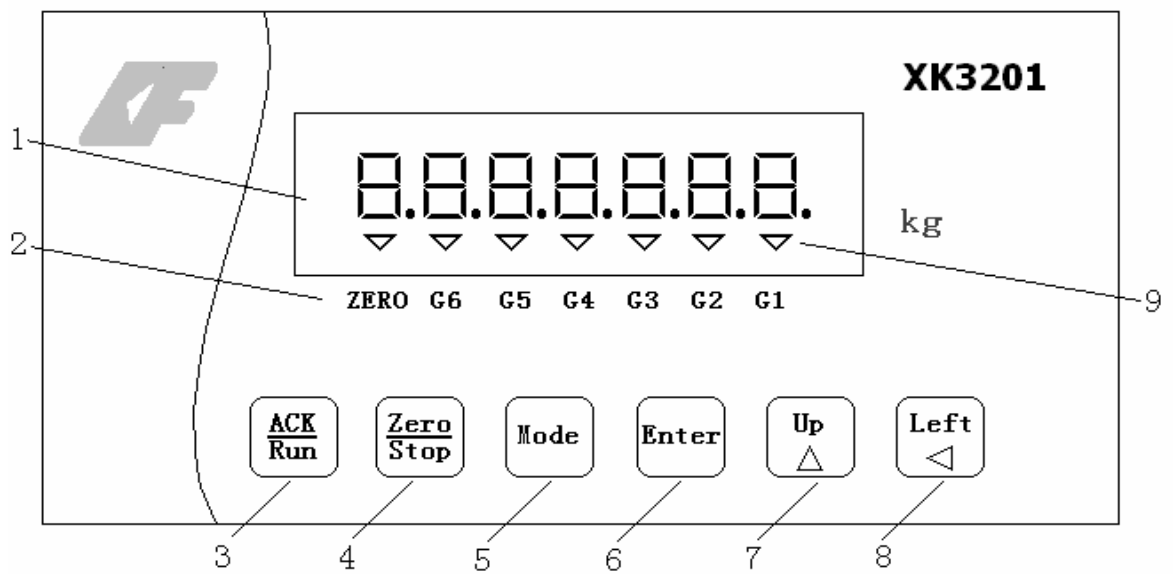
Temperature for keep

本仪器可在-40℃~+80℃的温度范围内保存，但要避免在高温下长期保存。

Arrang of temperature in store:- -40℃~+80℃, Don't place at high temperature area for a long time.

三．各部分的名称和功能（正面）

Name and function of every part (front)



1．显示窗 ：　　高亮度真空荧光显示管共 7 位，带“▼”指示灯。

Display Area　　**The high light vacuum fluorescence shows that is in charge of amounting to 7,take"▼"Indicator lamp .**

2．**ZERO** 指示灯 ：　　亮时显示零

ZERO indicator lamp：　　**Show zero when lights**

G1-G6 指示灯：　　亮时分别显示六大类参数

G1-G6 indicator lamp：　　**Show the six kinds status of controller when**

(1)．工作过程中 G6 亮时,表示正常停工

Express normally shutdown when G6 lights in the working course

(2)．工作过程中 G5 亮时,表示紧急停工

Express emergency shutdown when G5 lights in the working course

3．ACK Run

(1)．储存设定数据

Store the data of establishing

(2)．清除数据累计

Delete the aggregate data

(3)．启动运行开工

Running

4．Zero Stop

(1)．在上电后的初始状态此键为去皮键

This key's function is clear the tare in initial state

(2)．在 G5-8 功能中此键为置零键

This key is for put zero among G5-8 function

(3)．工作过程中此键为停工键(按此键一次为正常停工,按此键二次为紧急停工)

This key in order to stop work in the working course (press this key once in order to stop work normally, two times is emergency shutdown)

5. Mode

接受数据设定并选择 G1-G6 的功能确认

Accept the data and as choose function among G1-G6 during function-setting

6. Enter

进入经确认后的 **G1-G6** 功能

Enter G1-G6 function after confirmation

7. Up △

在需改变数字时此键能使最低位数字增加

This key can make the most low-order figure increase while needing

8. Left ◁

能把最低位数字向高位推移

Pair can be most to high-order lapse low-order figure

9．在参数设置过程中，当某一“▼”指示灯点亮时，它所指的功能参数已启动。

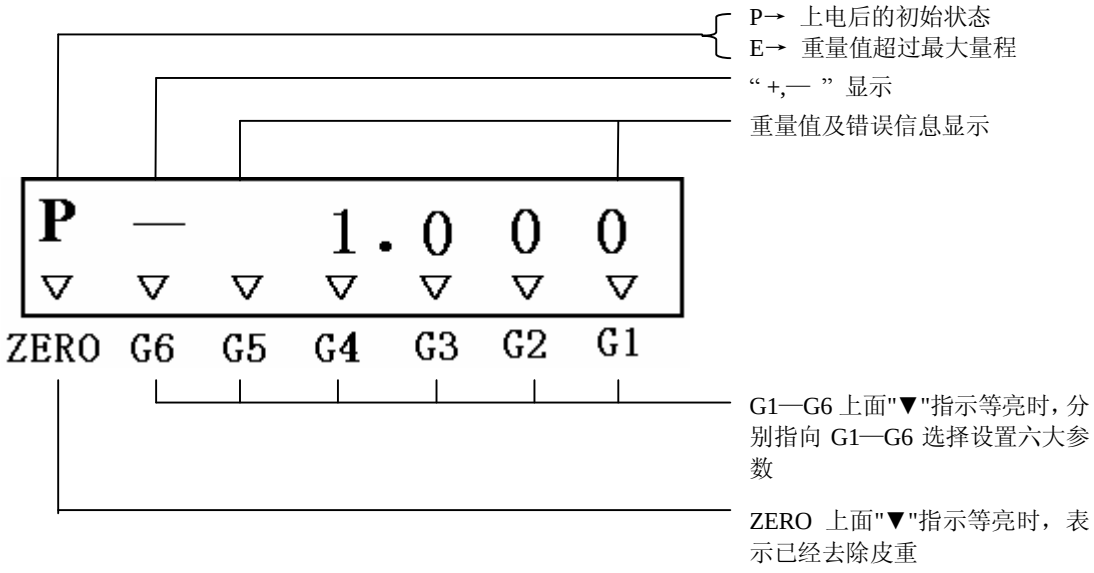
When the " ▼" lights, the function parameter that it points is started ownly while setting

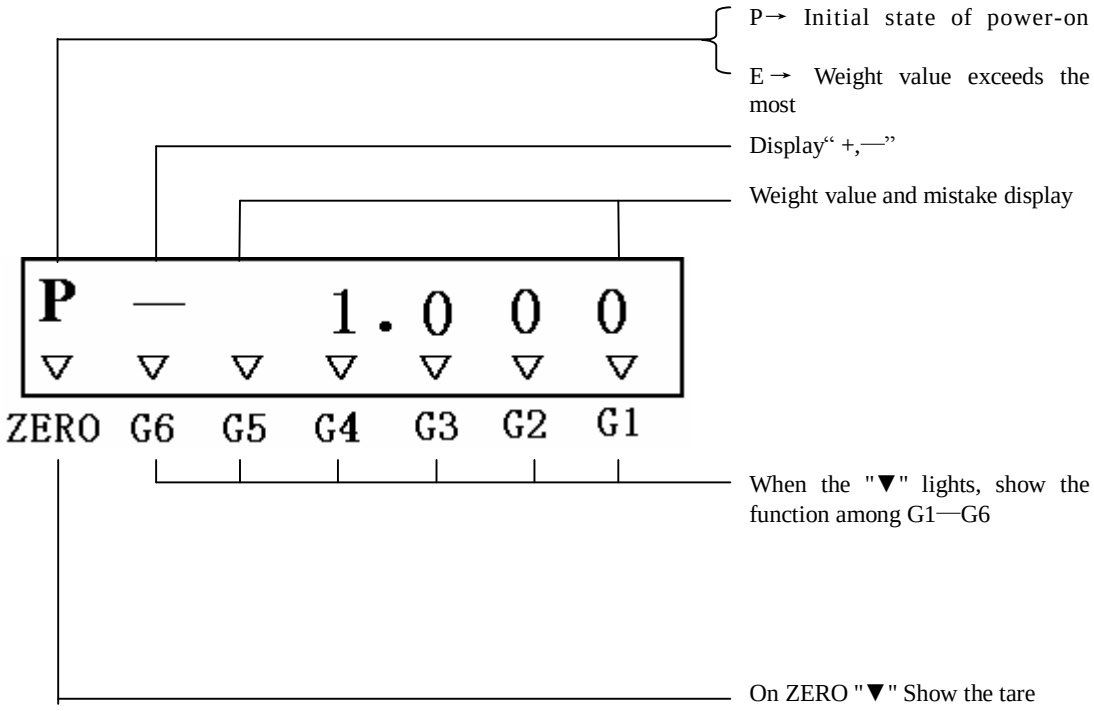
注： 按键操作有效时，内部蜂鸣器能短时鸣叫一声。

Note: When the button is operated effectively, the inside buzzer can pipe once in short-term .

［控制器显示状态］ The stateds of display

1．上电后的初始状态
Status of Power-On




P→ Initial state of power-on
E→ Weight value exceeds the most
Display“ +,—”
Weight value and mistake display
P — 1.000
ZERO G6 G5 G4 G3 G2 G1
When the "▼" lights, show the function among G1—G6
On ZERO "▼" Show the tare

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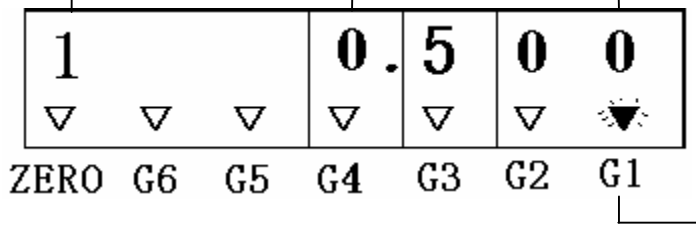
2．设定时的状态显示
Status of Setting

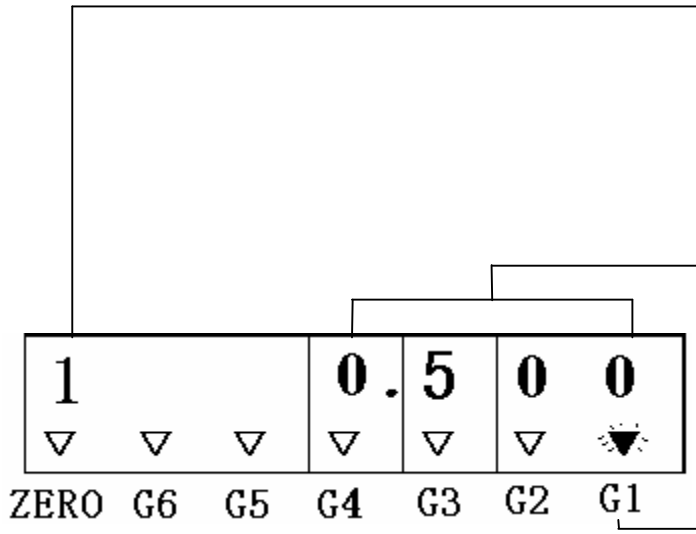


“1”表示所选功能的第一个参数（如左图所示，G1 功能的第一项参数，即 G1-1）。如果要选择第二个参数可以按 Enter 一次，出现“2”就可以了，所有参数都可以按此方式循环选择。

表示 G1-1（目标量）的参数如左图所示，目标量为 0.5Kg，如需更改按 Up △ 键可以循环选择 0~9，然后按 Left ◁ 键把所选数字向左移到所需位置，应遵循从高位向低位输入

"▼" 表示当前选择的功能（如图所示，选择 G1 功能），如需选择其他功能，按 Mode 键依次选择 G1-G6，

按 Enter 键进入该功能



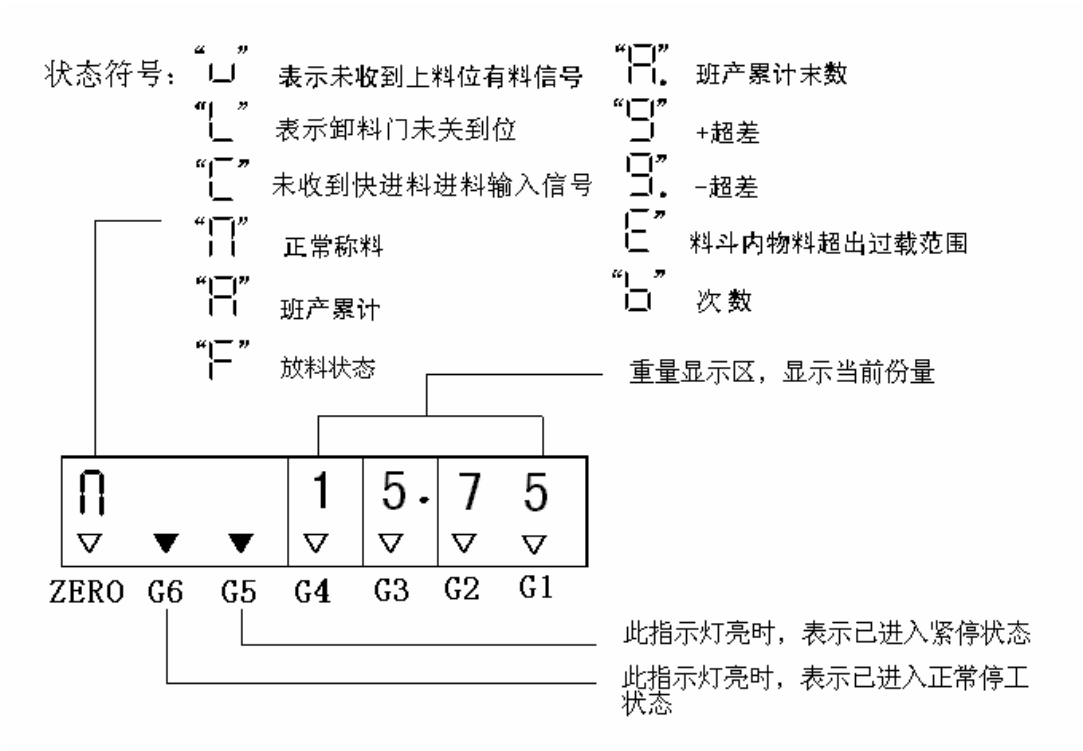
"1" Shows the parameters of the function selected.(Like the picture in left ,show first parameter G1-1, G1 of function). If continue to setting up the second parameter,press Enter key. Show"2" expresses the second papameter in G1 function , can circulate and choose all parameters in this way

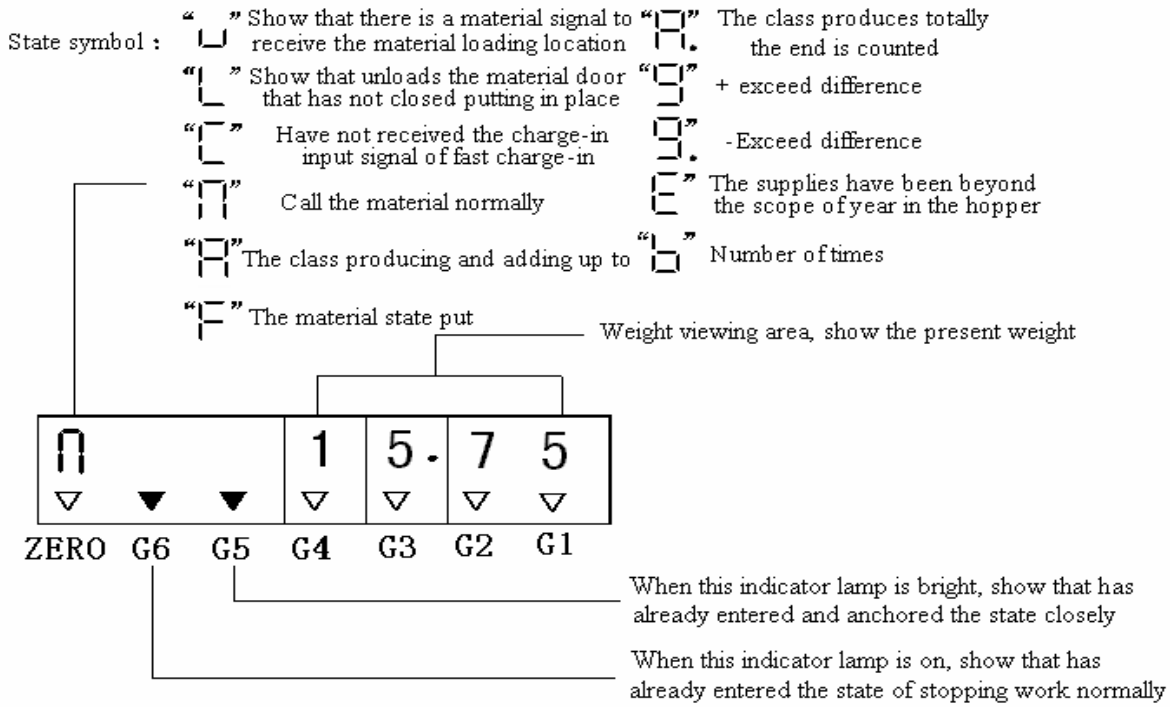
Show the parameter of G1-1(goal value), press Up △ key to choose0~9,and press Left ◁ key to move the digital to left. The digital input from high position to low

"▼" Show the function that has already been choosen. Press Mode key and choose from G1 to G6, "▼" park means that function is choosed .

Press Enter key to enter the function and parameters that can be setting

3．工作过程中的显示状态
Status of working




State symbol：
“U” Show that there is a material signal to receive the material loading location
“L” Show that unloads the material door that has not closed putting in place
“C” Have not received the charge-in input signal of fast charge-in
“N” Call the material normally
“A” The class producing and adding up to
“F” The material state put
“A.” The class produces totally the end is counted
“S” + exceed difference
“S.” -Exceed difference
“E” The supplies have been beyond the scope of year in the hopper
“b” Number of times
Weight viewing area, show the present weight
0 15.75
ZERO G6 G5 G4 G3 G2 G1
When this indicator lamp is bright, show that has already entered and anchored the state closely
When this indicator lamp is on, show that has already entered the state of stopping work normally

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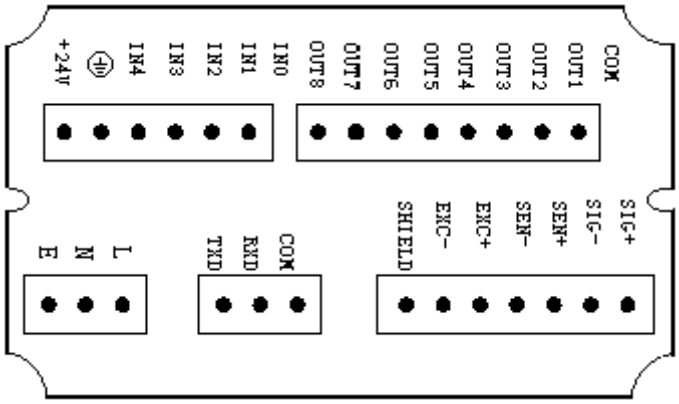
四．各部分的名称和功能(后面)

Name and function of every part (back)



● 传感器输入口

Input port of the sensor

本控制器的激励电压为 **10V** 最大激励电流为 **120mA**，可以与 **4** 个 **350Ω** 的传感器并列相联。

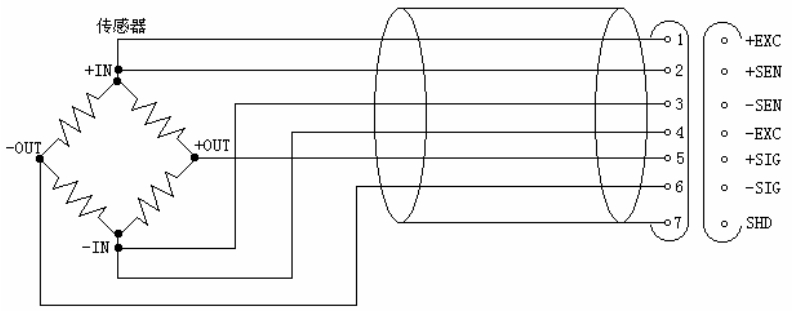
The voltage of encouragement of this controller encourages the electric current to be 120mA the most largly for 10V, can connecting four 350Ω load cells in parallel

● **6** 线式的连接方式

6- wire connection

本控制器的传感器输入插座为 **6** 线式（遥感方式），和传感器连接必须采用 **6** 芯屏蔽电缆线，并且要与交流线路及强干扰线路分开布线。

The load cell input of this controller is a 6- wire (remote sense) connection. 6-wire shielded load cell cable should be used and kept separate from AC or other noise generating wire.



*所谓遥感方式是为了防止由于电缆的电阻值随着温度的变化而变化，因而使加到传感器上的激励电压也变化，即在传感器的附近控制激励电压。

So-called remote sensing way is changing in order to prevent from as the change of temperature because of the resistance value of the cable, therefore make the voltage of encouragement to add to sensor change , namely control the voltage of encouraging near the sensor .

● **4 线式的连接方式**

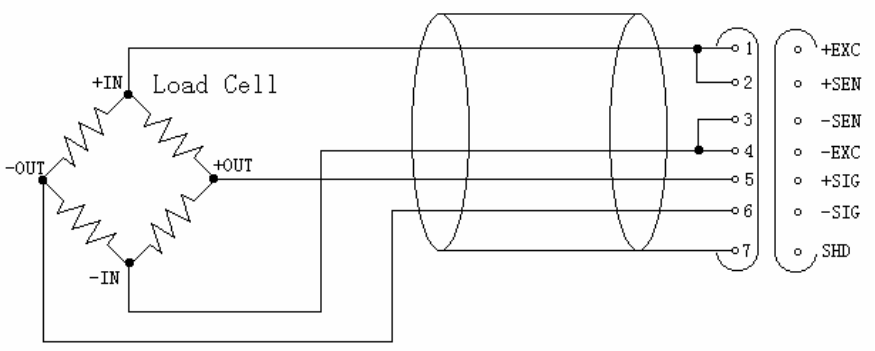
4- wire connection

如下图所示，将插头的+EXC 和+SEN，-SEN 和-EXC 连接起来。

As the following Picture show, +EXC and +SEN of plug,- SEN and- EXC is joined.

如果不连接，控制器将得不到重量信号而不能正常工作所以必须以上述方法进行连接。

If unconnect, controller can't receive weight signal ,you must join so as to above-mentioned methods to work normally.

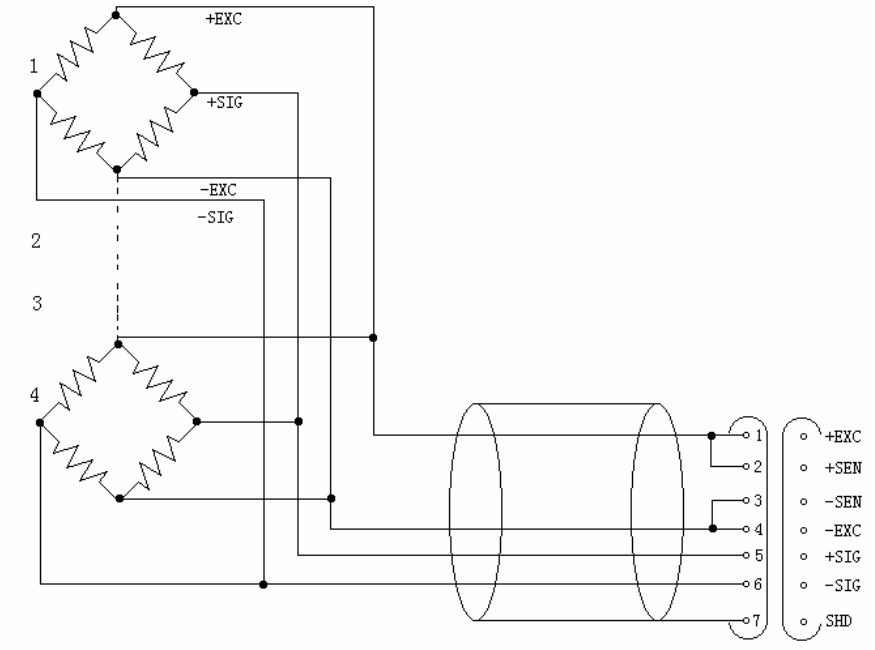


● **传感器的并联方法**

Connecting load cells in parallel

在一些工业测量等应用中，常常将两个或多个传感器并联使用，其连接方式如下图所示。

In some industrial weighing apparatus,two or more load cells may be connected in parallel. The manner of connection is shown below.



从本控制器的角度来看，n 个传感器的并联，可以视为传感器额定容量的 n 倍，灵敏度不变的一个整体。

The group of "n" parallel load cells viewed from this device said can be regarded as a unit load cell the rated capacity of which is multiplied by "n" and the sensitivity of which is unchanged.

*在并联使用时，为了不使偏负载或冲击等引起传感器超负载，请选用具有足够余量的传感器。

When connecting several load cells in parallel, load cell capacity should be higher than expected load to compensate for mechanical shock of loading

● 信号含义

Signal meaning

引脚编号	信号含义
Define of the pin	**Signal meaning**
+EXC	激励电压输出 +
	encourages the voltage to export +
+SEN	激励反馈电压输入 +
	encourages feedbacking the voltage to input +
-EXC	激励电压输出 –
	encourages the voltage to export –
-SEN	激励反馈电压输入 –
	encourages feedbacking the voltage to input –
+SIG	信号输入 +
	signal inputs +
-SIG	信号输入 –
	signal inputs –
SHLD	屏蔽
	Shielding

1. 仪表电源

The power of controller

请按控制器标记电压（AC220V 50~60Hz）。（控制器内部保险丝容量为 0.5A 小型保险丝）

Conect AC power . The input voltage is220V±10% AC.the frequency is50~60Hz.(the capacity of the fuse is 0.5A small-scale fuse within controller)

为了防止雷击事故及静电干扰而引起的事故，务必将 E 端子直接与大地连接。

In order to prevention of electric shocks and failures caused by static electricity.Must connect the "E" with earth directly .

2. 通讯口

Communication mouth

输出采用串行 RS232C 或 RS485 标准接口（订货时必须注明）

Export and adopt serial RS232C or standard interface of RS485 (must be indicated while ordering)

TXD：	资料（TXD）输出
	The materials out-port
RXD：	指令资料（RXD）输入
	The materials out-port
COM：	公共端
	Common

3. 输入信号

Input signal

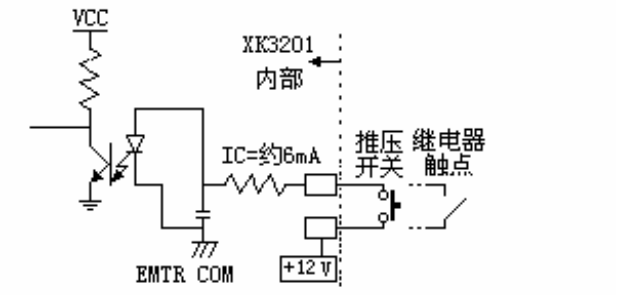
引脚名称 **Define of pin**	信号含义 **Signal meaning**
IN1：	备用 **Null**
IN2：	上料位输入信号 **Have material input**
IN3：	卸料门关门到位输入信号 **Unload the material door and close and put the input signal in place**
IN4：	切料门开门到位输入信号 **Valve open OK input**
⏚：	DC24V 地 **DC24V Ground**
+VS：	外部 DC +24V 电源输入 Output power +**24V** DC **outside**

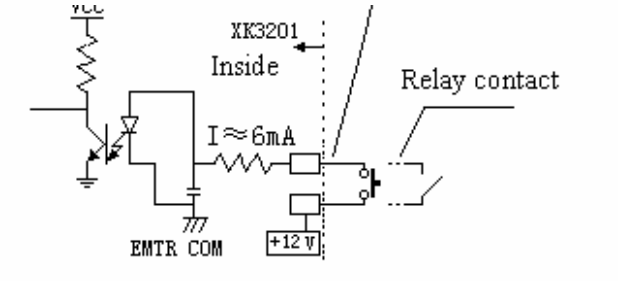
● 等价电路（输入）

Equivalent circuit (input)

信号输入电路通过输入端子和共通点之间的短路、开路输入信号。短路是通过接点（继电器、开关等），无接点（晶体管、开路集电极输出的 TTL 等）来实现。

A signal is inputted to the signal input circuit by short-circuiting or opening the input terminal and the COM terminal . short-circuiting is effected by means of a contact (such as a relay or a switch) or a no-contact (such as a transistor or an open-collector TTL).





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4. 输出信号

Output the signal

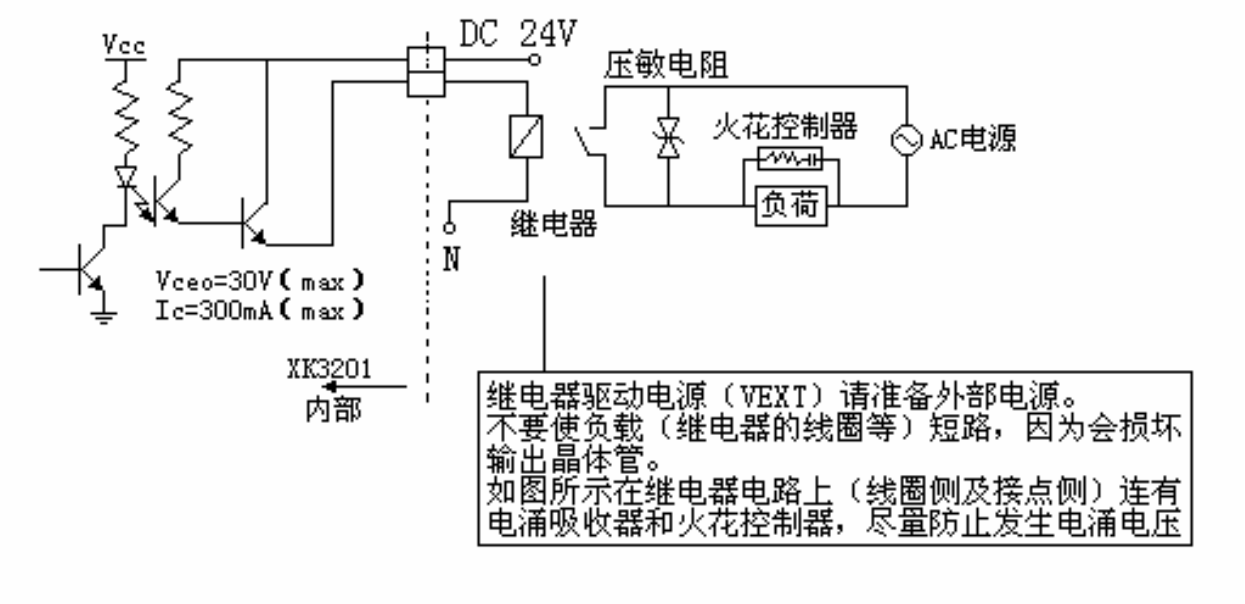
引脚名称	信号含义
Define of pin `	**Signal meaning**
OUT1：	快速进料输出口
	Fast speed Charge-in output
OUT2：	慢速进料输出口
	Slow speed charge-in output
OUT3：	松（夹）袋输出口
	Relax (clip) bag output
OUT4：	卸料输出口
	Unload the material output
OUT5：	备用输出口
	Reservly output
OUT6：	拍袋输出口
	Hit bag output
OUT7：	超差输出口
	Ultra difference output
OUT8：	切料阀门输出口
	Close valve output

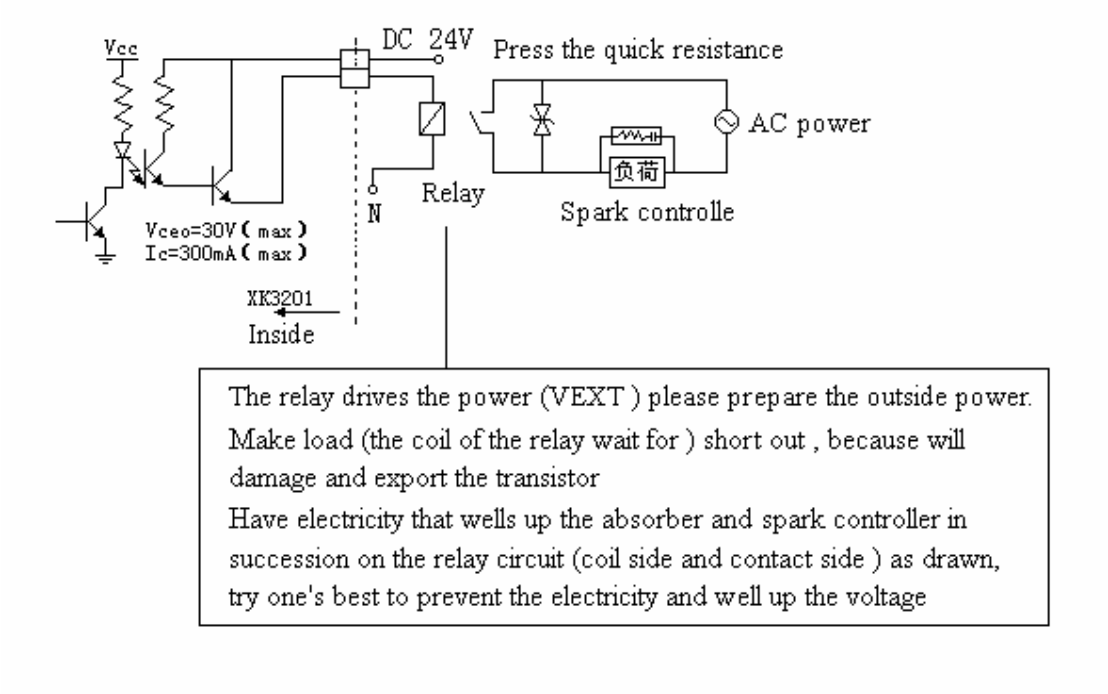
● 等价电路（输出）

Equivalent circuit (output)

信号输出电路是晶体管的开路集电极输出。

The signal exports the circuit and is exported of open circuit collector of the transistor.




Vcc
DC 24V
Press the quick resistance
AC power
负荷
Relay
N
Spark controlle
Vceo=30V(max)
Ic=300mA(max)
XK3201
Inside
The relay drives the power (VEXT) please prepare the outside power.
Make load (the coil of the relay wait for) short out , because will damage and export the transistor
Have electricity that wells up the absorber and spark controller in succession on the relay circuit (coil side and contact side) as drawn, try one's best to prevent the electricity and well up the voltage

输出口可连接 24V 直流电压，最大驱动电流为 1A。如果需要交流电供电的继电器，RC 抑制器应与继电器线圈并联。该抑制器也应用于电感控制设备

Use external power source (24V DC) and maximum of the electric current is 1A .Connect a surge absorber or a speak killer to the relay circuit as shown in the draft so that to reduce noise trouble and extend the life of relay.Noise trouble can be reduced,and the relay's life can be extended

五．设置方法

Method to set up

XK3201 控制器要通过设置，才能使各种功能生效。设置值的变更，确认均从设置形式的选择开始。

XK3201 controller could validate various kinds of functions through setting up . The change of the setting up value, confirm that begins from the choice of setting up the form .

一旦选择了 Mode 键既开始进行各项目的设置，那么各个键就变成了设置形式的各种选择键，具体请参考下面的一栏表。

Once started the establishment of every project after cho Mode keys, then each key has been

turned into various kinds of options buttons which are set up the form , concrete please consult the following column form.

● **XK 3201参数汇总表**

XK3201 parameter summary

MOD / ENT	▼ G1		▼ G2		▼ G3	▼ G4		▼ G5		▼ G6	
	称重设定	推荐值	累计功能	出厂设定	检测功能	设定时间	推荐值	校秤功能	推荐值	内部参数	推荐值
1	目标量	0.500	批次累计	0	A/D采样	延时检查超差时间	1.5	版本加密	11	显示形式	0
2	慢进量	0.040	班产	0	松袋	卸料时间	1.5	校秤量程	1.000	去皮周期	01
3	提前量	0.005	班产累计	0.000	称门	稳定去皮延时时间	1.5	小数点位数	3	自动补偿	0
4	允差	0.005	总产	0	拍袋	拍袋时间	0.5	分度间距	1	波特率	0
5	空	000	总产累计	0.000	切料门	二次滤波	6	零点跟踪范围	4	最大量程	1.000
6					快进	拍袋次数	0	零点跟踪间	0.0	机号选择	0
7					慢进	禁止比较时间	0.8	数字滤波	32	进料方式	0
8					停进	点动时间	0.0	校称操作		检查周期	0
9					超差						
A					缺料						
B					输入检测						

MOD / ENT	▼ G1		▼ G2		▼ G3	▼ G4		▼ G5		▼ G6	
	Weigh and establish	Recommendation value	Add up to the function	Dispatched from the factory and established	Measure the function	It sets for time	Recommendation value	Balance function of the school	Recommendation value	Inside parameter	Recommendation value
1	Goal amount	0.500	Number of times each time,	0	AD sampled value,	Basic time set up the function G4 column	1.5	Number of the edition	11	Show the form	0
2	Slow entering amount	0.040	The class producing and adding up to	0	Relax bag	Unload material time	1.5	Weight of the weight (the one of balance amount of the school)	1.000 kg	Production skips automatically	01
3	Advancing amount	0.005	The class produces the mantissa of adding up to	0.00	material door	Skin and delay time steadily	0.5	Multiple of the decimal point	3	Automatic compensation	0
4	Permit the difference range	0.005	Gross output adding up to	0	hit bag	hit bag time	0.5	Interval of graduation	1	Potter rate	0
5	Empty	000	Gross output adds up to the mantissa	0.000	Close valve	Strain waves two times	6	Follow the range in zero location	4	A large amount of the most	1.000 kg
6					Enter quickly	hit bag times	0	Follow time in zero location	0.0	ID code	0
7					ter slowly	Forbid comparing time (apply to the scon entering amount only)	0.8	The figure strains waves	32	feed model	0
8					Stop entering	slowest feed time	0.0	Transfer the school to operate		check	0
9					Ultra difference reports to the police	delay feed time	0.0				
A					Empty						
B					The input signal measuring						

注：　（1）G5-01 为版本号应设置正确的数据后才能进入 G5、G6、功能中查改参数。

Note:　G5-01 could enter and check the parameter of changing in G5 , G6 , function after setting up the correct data for the number of the edition.

"11"表示为无纺定量配料秤

" 11 " shows it for not spinning the quantitative batching balance

（2）以上推荐值均以 0.500 公斤定量配料秤为例。

The above recommending value takes 0.500 kilograms of quantitative batching balance as an example .

（3）无纺定量配料秤时间设置 G4-4（卸料完方式一）和 G4-6（卸料完方式二）均要设置为“0”。

Time set up G4-4 (unload material model one) and G4-6 (unload material model two) set up as " 0 " to have.

- 设置开始

Set up and begin

1．设定项目的选择

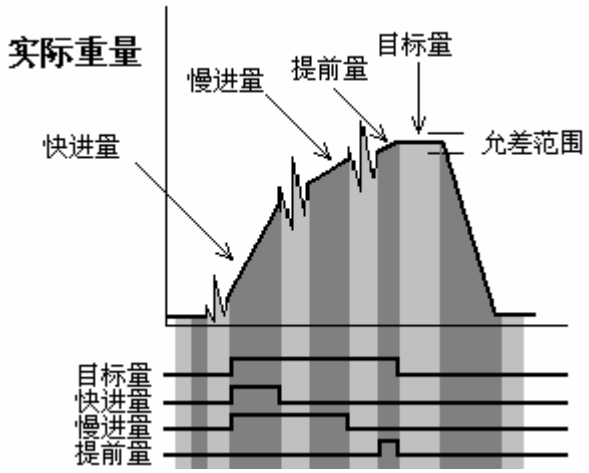
Establish the choice of the project

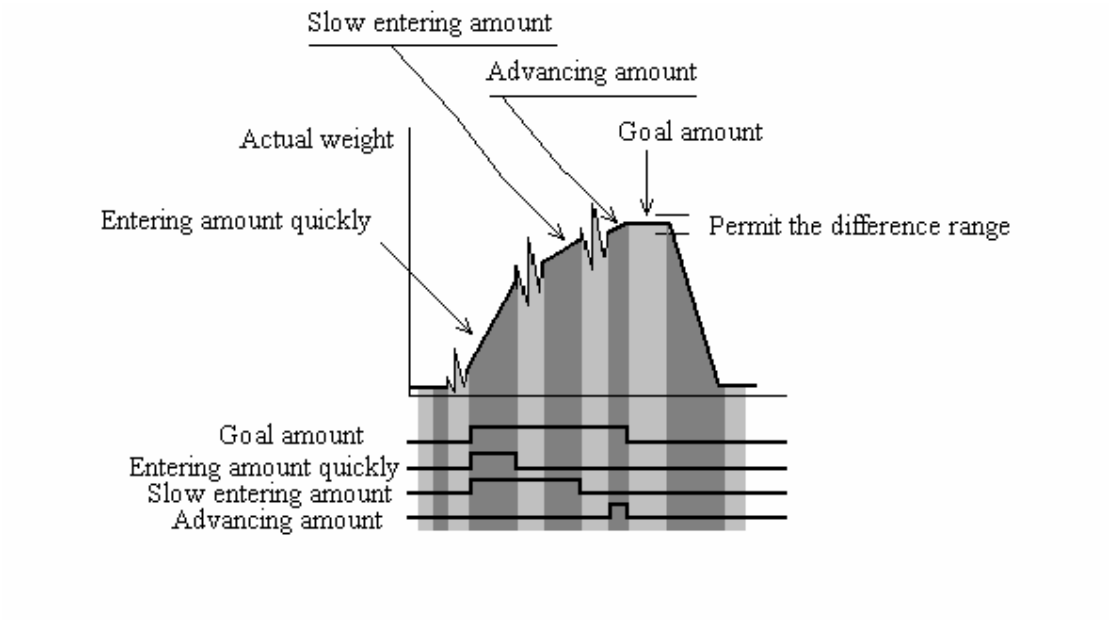
（1） 量程设定功能 G1 栏目的设置

Quantity Cheng establish function establishment, G1 of column

控制器进料过程可分为快进量、慢进量和提前量，如下图所示。

The controller feeding include fast feeding ,slow feeding and ahead feeding .Following picture shows.





注：当完成量程设定栏的所有设定后，XK3201 将检查输入的设定是否合乎要求，其比较值如下：

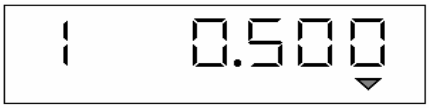
Note: Establish after the all settlement of fence by Cheng as performance, XK3201 settlement input to check meet the requirements, it is relatively worth as follows:

最大量程＞目标量＞慢进量＞提前量

A large amount of the most >Goal amount >Slow entering amount >Advancing amount

◆ 目标量

Goal amount



按 Mode 键，显示栏 G1 指示灯点亮，

Press Mode **key, show the column G1 indicator lamp lights,**

按 Enter 键，显示成右图模式，

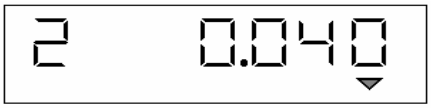
Press Enter **key, show into a mode of the right picture,**

按 Up △ 键和 Left ◁ 键，按 ACK Run 键，使之完成目标量的设置。

Press Up △ **key and** Left ◁ **key, pres** ACK Run **key, make its completion establishment, goal of quantity.**

◆ 慢进量

Slow feeding



按 Enter 键，显示成右图模式，

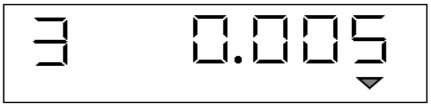
Press Enter **keys, show into a mode of the right picture,**

按 Up △ 键和 Left ◁ 键，按 ACK Run 键，使之完成慢进量的设置。

Press Up △ **key and** Left ◁ **key , press** ACK Run **key , make slow to stock the establishment of quantity completion their.**

◆ 提前量

Ahead feeding



按 Enter 键，显示成右图模式，

Press Enter **key, show into a mode of the right picture,**

按 Up △ 键和 Left ◁ 键，按 ACK Run 键，使之完成提前量的设置。

Press Up △ **key and** Left ◁ **key, pres** ACK Run **keys, make its completion advance the establishment of quantity.**

◆ 允差范围

Permit the difference range

按 Enter 键，显示成右图模式，

Press Enter key, show into a mode of the right picture,

按 Up △ 键和 Left ◁ 键，按 ACK Run 键，使之完成允差范围的设置。

Press Up △ key and Left ◁ key, pres ACK Run key, make its completion permit the establishment of the difference range.

◆ 空

Null

按 Enter 键，显示成右图模式，

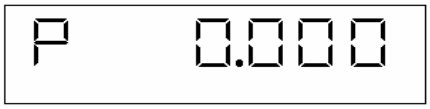
Press Enter key, show into a mode of the right picture,

按 Up △ 键和 Left ◁ 键，按 ACK Run 键，使之完成该设置，无纺定量配料秤设置为“000”。

Press Up △ key and Left ◁ key, pres ACK Run key, make its completion should be set up , has not spun the quantitative batching balance to set up as " 000 ".

◆ 退出量程设定功能 G1 栏目

Exit the function setting of G1



按 Mode 键，控制器返回正常称重状态。

Press Mode key, controller return to and weigh the state normally.

(2) 产量累计的查看及清除 G2 栏目

Looking over and removing G2 column totally of output

◆ 每次次数

Number of times each time,

按 Mode 键，显示栏 G2 指示灯点亮，

Press Mode key, show the column G2 indicator lamp lights,

按 Enter 键，显示成右图模式，

Press Enter **key, show into a mode of the right picture,**

按 ACK Run 键，清除每次次数，此值最大能到 65535 次，然后自动清零重新累计。

Press ACK Run **key, remove the number of times each time, it can be reached 65535 times that this value**

is the biggest, then automatic zero clearing is added up to again.

◆ 班产累计

The class producing and adding up to

按 Enter 键，显示成右图模式，

Press Enter **key, show into a mode of the right picture,**

按 ACK Run 键，清除班产累计。

Press ACK Run **key, remove the class to produce and add up to.**

◆ 班产累计尾数

The class produces the mantissa of adding up t

按 Enter 键，显示成右图模式，

Press Enter **key, show into a mode of the right picture,**

G2-2 和 G2-3 的值最大能累计到 65535.999 吨，然后自动清零重新累计。

It can be added up to 65535.999 tons that the value of G2-2 and G2-3 is the most greatly, then automatic zero clearing is added up to again.

◆ 总产累计

Gross output adding up to

按 Enter 键，显示成右图模式，

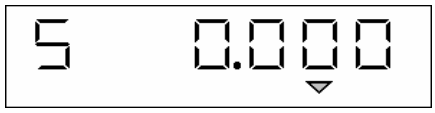
Press Enter **key, show into a mode of the right picture,**

按 ACK Run 键，清除总产累计。

Press ACK Run **key, remove gross output to add up to.**

◆ 总产累计尾数

Gross output adds up to the mantissa



按 Enter 键，显示成右图模式，

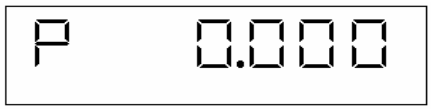
Press Enter key, show into a mode of the right picture,

G2-2 和 G2-3 的值最大能累计到 65535.999 吨，然后自动清零重新累计。

It can be added up to 65535.999 tons that the value of G2-2 and G2-3 is the most greatly, then automatic zero clearing is added up to again.

◆ 退出产量累计功能 G2 栏目

Exit the function setting of G2



按 Mode 键，控制器返回正常称重状态。

Press Mode key, controller return to and weigh the state normally.

(3) 仪表自检功能 G3 栏目

Self-checking function G3 column of the instrument

◆ **AD 采样值**

AD sampled value,

按 Mode 键，显示栏 G3 指示灯点亮，

Press Mode key, show the column G3 indicator lamp lights,

按 Enter 键，显示成右图模式，此值无单位，是传感器信号通道检测。

Press Enter key, show into a mode of the right picture, this value has no unit, it is the signal passway of the sensor that is measured .

◆ 空

Null

按 Enter 键，显示成右图模式。

Press Enter key, show into a mode of the right picture.

无任何输出

There is not any output

◆ 卸料门

Unload the material door

按 Enter 键，显示成右图模式。

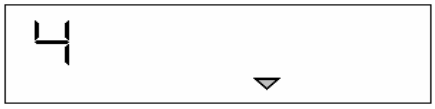
Press Enter key, show into a mode of the right picture.

OUT4 输出，卸料门开门卸料。

OUT4 is exported, unloads the material door and opens and unloads the material .

◆ 料称完信号输出

The material claims the signal exports



按 Enter 键，显示成右图模式。

Press Enter key, show into a mode of the right picture.

OUT6 输出料称完信号，OUT3、4 输出停止。

OUT6 outputs the material and finishes calling the signal, OUT3, 4 are exported and stopped.

◆ 空

Null

按 Enter 键，显示成右图模式。

Press Enter key, show into a mode of the right picture

无任何输出

There is not any output

◆ 快进

Fast feeding

按 Enter 键，显示成右图模式。

Press Enter key, show into a mode of the right picture.

在接收到切料门开门到位后，OUT1 输出控制开始快进料，否则显示“C”，表示未收到快进料进料输入信号

Receiving it after cut the material door and open and put in place, OUT1 exports and controls and begins fast charge-in, otherwise show " C " , show that has not received the charge-in input signal of fast charge-in

◆ 慢进

Slow feeding

按 Enter 键，显示成右图模式。

Press Enter key, show into a mode of the right picture.

OUT2 输出开始慢进料，OUT1 停止输出。

OUT2 exports and begins slow charge-in, OUT1 stops exporting.

◆ 停进

Stop feeding

按 Enter 键，显示成右图模式。

Press Enter key, show into a mode of the right picture.

以上输出控制全部停止输出。

The above is exported and controlled and all stopped exporting.

◆ 超差报警

Ultra difference reports to the police

按 Enter 键，显示成右图模式。

Press Enter key, show into a mode of the right picture.

OUT7 输出控制，报警灯亮。

OUT7 is exported and controlled, the alarm lamp is on.

◆ 空

Null

按 Enter 键，显示成右图模式。

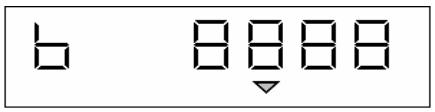
Press Enter key, show into a mode of the right picture.

无任何输出

There is not any output

◆ 输入信号检测

The input signal measuring



按 Enter 键，显示成右图模式。

Press [Enter] **key, show into a mode of the right picture.**

IN1-IN4 输入信号检测，当 IN1（为料位器有料）；IN2（允卸料输入口）；IN3（为卸料门关到位）；IN4（快进料进料输入信号）有效时，则显示器相应从右面第 1-4 位数码管显示“8”。

IN1-IN4 input signal is measured, acts as IN1 (there is material the material location device); IN2 (permit and unload the material to import the mouth); IN3 (close and put in order to unload the material door in place); IN4 (quick charge-in charge-in input signal) when being effective, display corresponding 1-4th number in charge of showing " 8 "

◆ **退出仪表自检功能 G3 栏目**

Exit the function setting of G3

按 [Mode] 键，控制器返回正常称重状态。

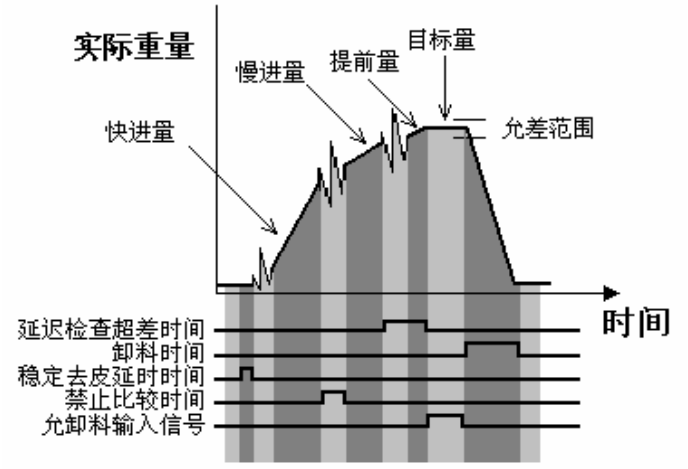
Press [Mode] **key, controller return to and weigh the state normally.**

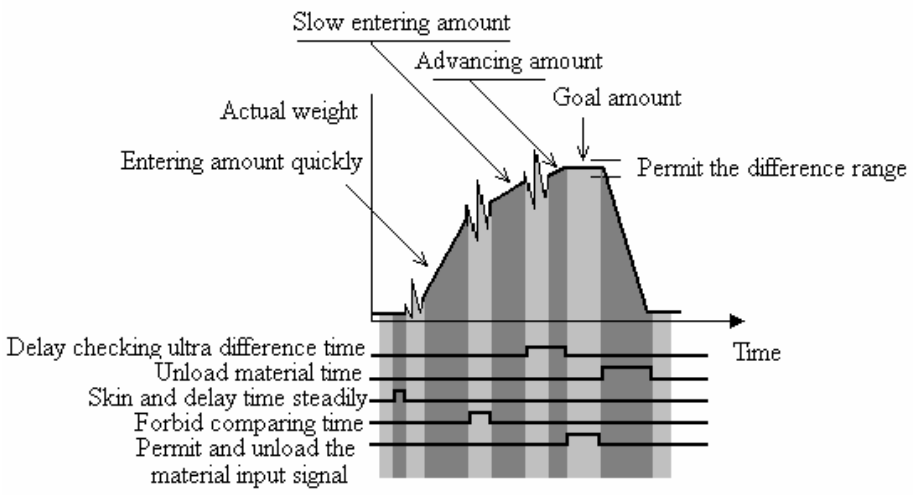
（4） **基本时间设置功能 G4 栏目**

Basic time set up the function G4 column

下图为控制时序中时间的作用：

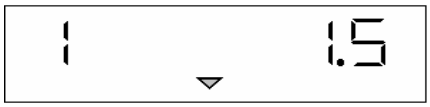
The picture below is the function of time while controlling time sequence:





◆ 延迟检查超差时间

Delay checking ultra difference time



按 Mode 键，显示栏 G4 指示灯点亮，

Press Mode **key, show the column G4 indicator lamp lights,**

按 Enter 键，显示成右图模式，

Press Enter **key, show into a mode of the right picture,**

按 Up △ 和 Left ◁ 键，按 ACK Run 键，使之完成延迟检查超差时间的设置。选择范围为 **0.1~9.9S**。

Press Up △ **key and** Left ◁ **key, pres** ACK Run **key, make its completion delay checking the establishment of time of ultra difference. Choose the range as 0.1-9.9S.**

◆ 卸料时间

Unload material time

按 Enter 键，显示成右图模式，

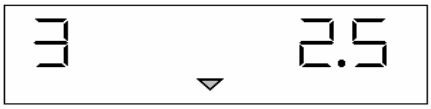
Press Enter **keys, show into a mode of the right picture,**

按 Up △ 键和 Left ◁ 键，按 ACK Run 键，使之完成卸料时间的设置。选择范围为 **0.1~9.9S**，当卸料时间到后控制器便将卸料控制输出信号终断。

Press Up △ **key and** Left ◁ **key, pres** ACK Run **keys, make its completion unload the establishment of time of material . Choosing the range as 0.1.9S, the controller will unload the material and control the signal of outputting to put an end to after unload material time.**

◆ 稳定去皮延迟时间

Skin and delay time steadily



按 Enter 键，显示成右图模式，

Press Enter **keys, show into a mode of the right picture,**

按 Up △ 键和 Left ◁ 键，按 ACK Run 键，使之完成稳定去皮延迟时间的设置。选择范围为**]**

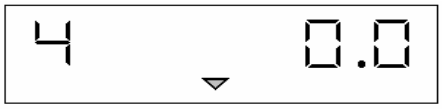
0.0~9.9S。当卸料门关闭时，由于机械的作用，会使称料斗抖动，从而使显示值在零位附近变动，

可以采用稳定延迟去皮时间，以保证有充分的时间使卸料门关紧，提高零位的稳定性。选择 0.0=无去皮延迟时间，0.1~9.9=去皮延迟时间设为 0.1~9.9 秒.在生产自动去皮(G6-2)生效时,先加入此去皮延迟时间,以确保秤体稳定才作去皮动作,如该次加料无须去皮动作,则去皮延迟时间亦无效。

Press [Up △] key and [Left ◁] key, pres [ACK Run] key, make completion its is it delay establishment of time to skin steadily. Choose the range as 0.0.9S. When unloading the material door to close , because of mechanical function , will make and claim the hopper shakes , make person who show change near zero , can adopt and delay the time of skinning steadily , so as to ensure there is abundant time to enable unloading the material door to shut tightly, improve null stability. Choose 0.0 =Not skinning and delaying time, 0.1~9.9 =Skin and delay time to set as 0.1.9 seconds. While skinning (G6-2) and coming into force automatically in production , join this and skin and delay time first , So as to ensure balance to be body steady to make movement of skinning just , is it needn't skin movements to feed in raw material this time, It is also invalid to skin and delay time.

◆ 卸料完方式一

Unload material in model one



按 [Enter] 键，显示成右图模式，

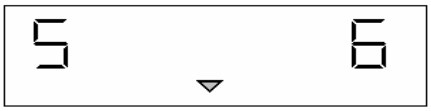
Press [Enter] key, show into a mode of the right picture,

按 [Up △] 键和 [Left ◁] 键，按 [ACK Run] 键，使之完成卸料完方式一的设置，卸料门开门时开始计时。（无纺定量配料秤应设置为“0.0”）

Press [Up △] key a [Left ◁] key [ACK Run] s key, make its completion unload the establisnment of way one of material , unloading the material door begins to time while opening. (not spin the quantitative batching balance and should be set up for " 0.0 ")

◆ 二次滤波

Strain waves two times



按 [Enter] 键，显示成右图模式，

Press [Enter] key, show into a mode of the right picture,

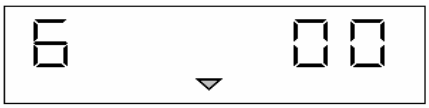
按 [Up △] 键和 [Left ◁] 键，按 [ACK Run] 键，使之完成二次滤波的设置。选择范围为 0~9。二次滤波是指在一次数字滤波的基础上再进行一次滤波，数字越大，滤波越重。

Press [Up △] key and [Left ◁] key , press [ACK Run] key , make it finish two strain establishment of wave. Choose the range to be 0. It means that go on once again and strain waves on the basis of the thing that the once figure strains the wave that two times strain waves, the larger the figure is, it is

the heavier to strain waves.

◆ 卸料完方式二

Unload material in model two



按 Enter 键，显示成右图模式，

Press Enter **key, show into a mode of the right picture,**

按 Up △ 键和 Left ◁ 键，按 ACK Run 键，使之完成卸料完方式二的设置。（无纺定量配料秤应设置为“00”）

Press Up △ **key and** Left ◁ **key, pres** ACK Run **key, make its completion unload the establishment of the way two of material . (not spin the quantitative batching balance and should be set up for " 00 ")**

◆ 禁止比较时间（仅适用于快进量）

Forbid comparing time (Just for fast feeding)

按 Enter 键，显示成右图模式，

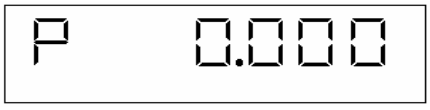
Press Enter **key, show into a mode of the right picture,**

按 Up △ 键和 Left ◁ 键，按 ACK Run 键，使之完成快进量禁止比较时间的设置。选择范围为 **0.1~9.9S**。当储料仓向称料斗初始供给物料和结束供给物料时，由于物料的冲击和骤停，称料斗会因此而产生抖动振荡使仪表的显示值不稳定，尤其是称料斗设计轻型，当物料初始冲入称料斗时，由于重力加速度的作用，称料斗接受的重量信号会大于物料的实际重量，因此在这段时间内，可采取停止采样的禁止比较时间的方法，提高显示值的准确性。

Press Up △ **key and** ACK Run **key, pres** Left ◁ **key, make completion its person who enter is it compare establishment of time to forbid soon. Choose the range as 0.1.9S. As material storehouse of storing being to claim hopper to be initial to supply supplies with and finish at supplying the supplies with, because impact and park suddenly of supplies, claim hopper will is it is it is it make the display value of instrument unstable to shake to shake to produce because of this, especially call the hopper light-duty in design, when the supplies dash into and call the hopper initially , because of the function of acceleration of gravity, the actual weight that the weight signal that the hopper accepts will be greater than the supplies that claim, so within this period of time , can take the prohibition stopping sampling to compare the method of time , improve the accuracy of the showing value.**

◆ 退出仪表基本时间设置功能 G4 栏目

Exit the function setting of G4



按 Mode 键，控制器返回正常称重状态。

Press Mode key, controller return to and weigh the state normally.

（5） 校秤参数设置及调校操作功能 G5 栏目

Set up the function of G5

◆ 版本号

Number of the edition

按 Mode 键，显示栏 G5 指示灯点亮，

Press Mode key, show the column G5 indicator lamp lights,

按 Enter 键，显示成右图模式，

Press Enter key, show into a mode of the right picture,

按 Up △ 键和 ACK Run 键，按 Left ◁ 键，使之完成版本号的设置。选择“11”。

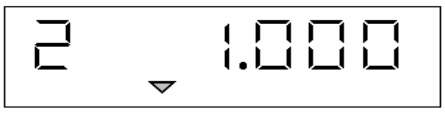
Press Up △ key and ACK Run key, pres Left ◁ key, make its completion establishment, edition of symbol. Choose " 11 ".

注意：此栏必需设置正确的版本号，否则将不能进入 G5、G6、栏目的设置。

Notice: This column must set up correct edition number , otherwise can't enter establishment of G5 , G6 , column.

◆ 砝码重量（校秤量程）

Weight of the weight



按 Enter 键，显示成右图模式，

Press Enter key, show into a mode of the right picture,

按 Up △ 键和 ACK Run 键，按 Left ◁ 键，使之完成砝码重量的设置。在校秤时，砝码重量必需与所需放的标准砝码重量一致。

Press Up △ key and ACK Run key, pres Left ◁ key, make its completion establishment, weight of weight. At the at school balance, weight weight must keep the same with standard weight weight put needed .

◆ 小数点位数

Multiple of the decimal point

按 Enter 键，显示成右图模式，

Press [Enter] **key, show into a mode of the right picture,**

按 [Up △] **键和** [ACK Run] **键，按** [Left ◁] **键，使之完成小数点的设置。可选择 0 至 4 中某一个数。**

Press [Up △] **key and** [ACK Run] **key, pres** [Left ◁] **key, make its completion establishment of decimal point. Can choose a certain number of 0 to 4 .**

例：	显示格式	1	0.1	0.01	0.001	0.0001
Example	Show the form	1	0.1	0.01	0.001	0.0001
小数点倍数		0	1	2	3	4
Multiple of the decimal point		0	1	2	3	4

◆ 分度间距

Interval of graduation

按 [Enter] **键，显示成右图模式，**

Press [Enter] **key, show into a mode of the right picture,**

按 [Up △] **键和** [ACK Run] **键，按** [Left ◁] **键，使之完成分度间距的设置。可选择“1”、“2”、“5”。显示分度间距=分度间距×倍数。**

Press [Up △] **key and** [ACK Run] **key, pres** [Left ◁] **key, make its completion establishment, graduation of interval. Can choose " 1 " , " 2 " , " 5 " . Show the interval of graduation =Graduation interval * multiple.**

◆ 零位跟踪范围

Follow the range in zero location

按 [Enter] **键，显示成右图模式，**

Press [Enter] **key, show into a mode of the right picture,**

按 [Up △] **键和** [ACK Run] **键，按** [Left ◁] **键，使之完成零位跟踪范围的设置。可选择“1、2、4”。1、2、4 = 1、2、4×0.5 个显示分度间距。**

Press [Up △] **key an** [ACK Run] **key, pre** [Left ◁] **key, make it finish zero follow establishment of range.**

Can choose " 1 , 2 , 4 " . 1, 2, 4 =1, 2, 4*0.5 show interval of graduation.

注：有两个参数用于零位跟踪功能：第一个是零位跟踪范围，第二个是零位跟踪时间。如果在大于

或等于零位跟踪时间内，重量在零位跟踪范围内，那么，读数将被跟踪至零。

Note: Two parameters are used in the following function of zero location : The first zero range of following, second zero follow time. If in greater than or equal zero person not to follow time, weight follow in the range in zero, then, reading will be followed to zero.

◆ 零位跟踪时间

Follow time in zero location

按 Enter 键，显示成右图模式，

Press Enter key, show into a mode of the right picture,

按 Up △ 键和 ACK Run 键，按 Left ◁ 键，使之完成零位跟踪时间的设置。可选择“0.1~9.9”秒 0.0 = 无零位跟踪。

Press Up △ key and ACK Run key, pres Left ◁ key, make it finish zero follow establishment of time. Can choose “ 0.1~9.9” seconds. 0.0 =There is not zero location to follow.

◆ 数字滤波

The figure strains waves

按 Enter 键，显示成右图模式，

Press Enter key, show into a mode of the right picture,

按 Up △ 键和 ACK Run 键，按 Left ◁ 键，使之完成数字滤波的设置。可选择“0”、“2”、“4”“8”、“16”、“32”或“64”

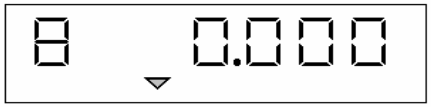
Press Up △ key a ACK Run key, Left ◁ key, make its completion figure strain the establi of the wave. Can choose " 0 " , " 2 " , " 4 " " 8 " , " 16 " , " 32 " or " 64 "

称料斗受其本身的固有频率影响和外界振动的传导，会产生随机振动，从而使仪表的显示值显示不稳定，视其振动的振幅大小可选择适当的滤波系数在控制器中予以消除，振幅小时，可选择低端系数，振幅大时，可选择高端系数。

The ones that called the hopper and is influenced by its one's own natural frequency with external vibration were conducted, will produce and shake at random, Make display value of instrument show unstable , look at vibration its amplitude size can choose straining wave coefficient dispel of the controller proper, amplitude hour, Can choose the coefficient of low end , when the amplitude is large , can choose advanced coefficient .

◆ 调校操作

Transfer the school to operate



按 [Mode] 键，显示成右图模式，

Press [Mode] keys, show into a mode of the right picture,

1.零位调校

Zero location suits well in the school

按 [Zero Stop] 键，使显示栏显示零。如果只需要调校零位，则可按 [Mode] 键返回正常称重方式。

Press [Zero Stop] key , enable showing the column shows zero. If only need to transfer the school Zero location , can press [Mode] key return to and weigh the way normally.

2.称量间距校调

Weighing transfering the course of the school

将重量等于设置砝码重量的标准砝码加在承载器上，待承载器稳定后，按 [ACK Run] 键完成称量间距的调校过程。（调校量程最小为 100 格）

Add the standard weight that weight means setting up the weight of the weight on the bearing the weight of device , after the bearing the weight of device is steady, Pre [ACK Run] key and finish of the interval . (whether person who transfers school Cheng 100 doses)

注意：如果最大量程，分度间距或倍数有所改变，必需重新进行调校及设定称料份量。

Notice: If a large number of the most, interval of graduation or the multiple change to some extent, Must transfer the school and establish and weigh the weight of material again .

◆ 退出仪表校秤功能 G5 栏目

Exit the function setting of G5

按 [Mode] 键，控制器返回正常称重状态。

Press [Mode] key, controller return to and weigh the state normally.

（6） 测量模式功能 G6 栏目

Measure the mode function G6 column

◆ 显示形式

Show the form

按 [Mode] 键，显示栏 G6 指示灯点亮，

Press [Mode] key, show the column G6 indicator lamp lights,

按 [Enter] 键，显示成右图模式，

Press Enter **key, show into a mode of the right picture,**

按 Up △ **键和** ACK Run **键，按** Left ◁ **键，使之完成显示形式的设置。**

Press Up △ **key and** ACK Run **key, pres** Left ◁ **key, make its completion show the establishment of the form .**

选择 0 或 1。“0”表示仪表上电后显示称料斗上的物料重量；“1”表示仪表上电后显示称料斗加上物料的重量。

Choose 0 or 1. " 0 " show instrument is it call supplies weight of hopper to show after the electricity;" 1 " shows and shows and claims the hopper adds the weight of the supplies after the electricity on the instrument.

◆ 生产自动去皮

Production skins automatically

按 Mode **键，显示成右图模式，**

Press Mode **keys, show into a mode of the right picture,**

按 Up △ **键和** ACK Run **键，按** Left ◁ **键，使之完成生产自动去皮的设置。可选择 0 至 99 次**

范围。当 G6-2 =0 ，上电后第一次生产的参考皮重，保持到掉电前。当 G6-2 =1~99 ，每生产 1~99 次更新一次参考皮重。

Press Up △ **key ar** ACK Run **key ,** Left ◁ **key , make its completion produce the establishment**

skinning automatically. Can choose 0 to the range 99 times . Act as G 6-2 =0, have the reference tare of the first production after the electricity, before reaching and losing the electricity. Act as G 6-2 =1~99, produce 19 times and upgrade once and consult the tare each time.

◆ 自动补偿

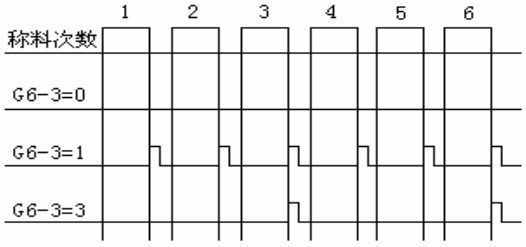
Automatic compensation

按 Mode **键，显示成右图模式，**

Press Mode **keys, show into a mode of the right picture,**

按 Up △ **键和** ACK Run **键，按** Left ◁ **键，使之完成自动补偿的设置。可选择 0 至 9 次范围。**

Press Up △ **key and** ACK Run **key,Press** Left ◁ **key , make its completionEstablishment of automatic compensation. Can choose 0 to the range 9 times .**



Tel：0510—8587

0 = 禁止自动补偿；

0 = Forbid automatic compensation;
1~9 = 每 1 至 9 次做一次自动补偿。
1~9 = Every do an automatic compensation to 9.

◆ 波特率

Potter rate

按 Mode 键，显示成右图模式，

Press Mode key, show into a mode of the right picture,

按 Up △ 键和 ACK Run 键，按 Left ◁ 键，使之完成波特率的设置。可选择“0”，“1”，“2”、“3”、或“4”。

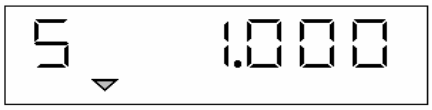
Press Up △ key and ACK Run key, Pres Left ◁ key , make its completion establishment , Potter of

rate. Can choose " 0 " , " 1 ", " 2 " ," 3 " , or " 4 ".

0 = 无通讯；1 = 1200；2 = 2400；3 = 4800；4 = 9600。
0 = There is no communication; 1 =1200; 2 =2400; 3 =4800; 4 =9600.

◆ 最大量程

A large amount of the most



按 Mode 键，显示成右图模式，

Press Mode keys, show into a mode of the right picture,

按 Up △ 键和 ACK Run 键，按 Left ◁ 键，使之完成最大量程的设置。可选择 500~100,000。

Press Up △ key and ACK Run keys, pres Left ◁ key, make its completion establishment of a large amount of most. Can choose 50000,000 .

注：最大分辨率为 1/15000，最小分辨率为 1/300。如果设定分辨率超出该范围将视为无效。这种情况应当加以避免。

Note: The largest resolution ratio is 1/15000, the minimum resolution ratio is 1/300. If will establish the resolution ratio beyond the scope of this and will be regarded as invalid. This kind of situation should be avoided .

分辨率 = 显示分度间距/最大量程

Resolution ratio =Show the interval of graduation / a large amount of the most

分辨率不得超过 1/15000。

The resolution ratio can't exceed 1/15000 .

当显示值超过该最大量程时，示值显示“E”报警。

It should exceed a large amount of Cheng Shi the most to act as the showing value, the showing value shows " E " reports to the police.

显示分度间距 显示量程	1	2	5	10	20	50
500	1/500					
1000	1/1000	1/500				
1200	1/1200	1/600				
1500	1/1500	1/7500	1/300			
2000	1/2000	1/1000	1/400			
2500	1/2500	1/1250	1/500			
3000	1/3000	1/1500	1/600	1/300		
4000	1/4000	1/2000	1/800	1/400		
5000	1/5000	1/2500	1/1000	1/500		
6000	1/6000	1/3000	1/1200	1/600	1/300	
8000	1/8000	1/4000	1/1600	1/800	1/400	
10000	1/10000	1/5000	1/2000	1/1000	1/500	
12000	1/12000	1/6000	1/2400	1/1200	1/600	
15000	1/15000	1/7500	1/3000	1/1500	1/750	1/300
20000		1/10000	1/4000	1/2000	1/1000	1/400
25000		1/12500	1/5000	1/2500	1/1250	1/500
30000		1/15000	1/6000	1/3000	1/1500	1/600

40000			1/8000	1/4000	1/2000	1/800
50000			1/10000	1/5000	1/2500	1/1000
60000			1/12000	1/6000	1/3000	1/1200
80000				1/8000	1/4000	1/1600
100000				1/10000	1/5000	1/2000

Show the interval of graduation al of graduation **Showing amount one**	1	2	5	10	20	50
500	1/500					
1000	1/1000	1/500				
1200	1/1200	1/600				
1500	1/1500	1/7500	1/300			
2000	1/2000	1/1000	1/400			
2500	1/2500	1/1250	1/500			
3000	1/3000	1/1500	1/600	1/300		
4000	1/4000	1/2000	1/800	1/400		
5000	1/5000	1/2500	1/1000	1/500		
6000	1/6000	1/3000	1/1200	1/600	1/300	
8000	1/8000	1/4000	1/1600	1/800	1/400	
10000	1/10000	1/5000	1/2000	1/1000	1/500	
12000	1/12000	1/6000	1/2400	1/1200	1/600	
15000	1/15000	1/7500	1/3000	1/1500	1/750	1/300
20000		1/10000	1/4000	1/2000	1/1000	1/400
25000		1/12500	1/5000	1/2500	1/1250	1/500
30000		1/15000	1/6000	1/3000	1/1500	1/600
40000			1/8000	1/4000	1/2000	1/800
50000			1/10000	1/5000	1/2500	1/1000
60000			1/12000	1/6000	1/3000	1/1200
80000				1/8000	1/4000	1/1600
100000				1/10000	1/5000	1/2000

◆ **ID 代码**
ID code

按 Mode **键，显示成右图模式，**

ACK Left

Press [Mode] **keys, show into a mode of the right picture,**

按 [Up △] 键和 键，按 键，使之完成 **ID** 代码的设置。选择 “**0**”或“**9**”。只在硬件选择 **RS485** 接口时，方有此设定选择，否则没有此项选择显示。

Press [Up △] **key and** [ACK Run] **keys, pres** [Left ◁] **key, make its completion establishment, ID of code. Choose " 0 " or " 9 ". While only choosing RS485 interface in the hardware, it is established and chosen and then there is this, otherwise there is no this choice to show.**

◆ 退出仪表测量模式功能 **G6** 栏目

Exit the function setting of G6

按 [Mode] 键，控制器返回正常称重状态。

Press [Mode] **key, controller return to and weigh the state normally.**

六、典型控制逻辑时序图

The model controls the logic chronological chart

无纺定量配料秤工作模式，模式设定请在参数设置中的 G5-1 版本号里选取“11”。

Not spinning the balance work pattern of quantitative batching, the mode establishes and please choose " 11 " in G5-1 edition number in the parameter is set up .

（1） 无纺定量配料秤时序图

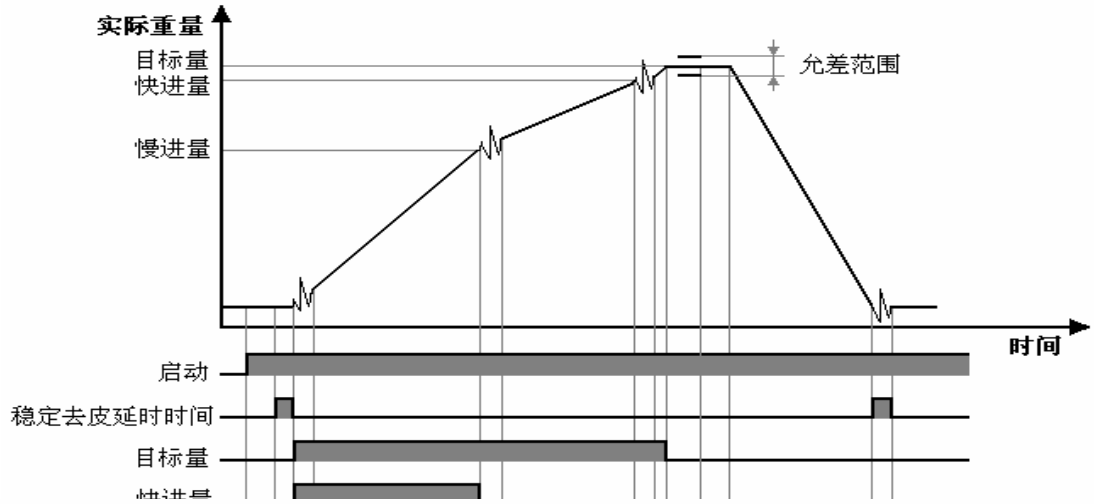
Have not spun the balance chronological chart of quantitative batching

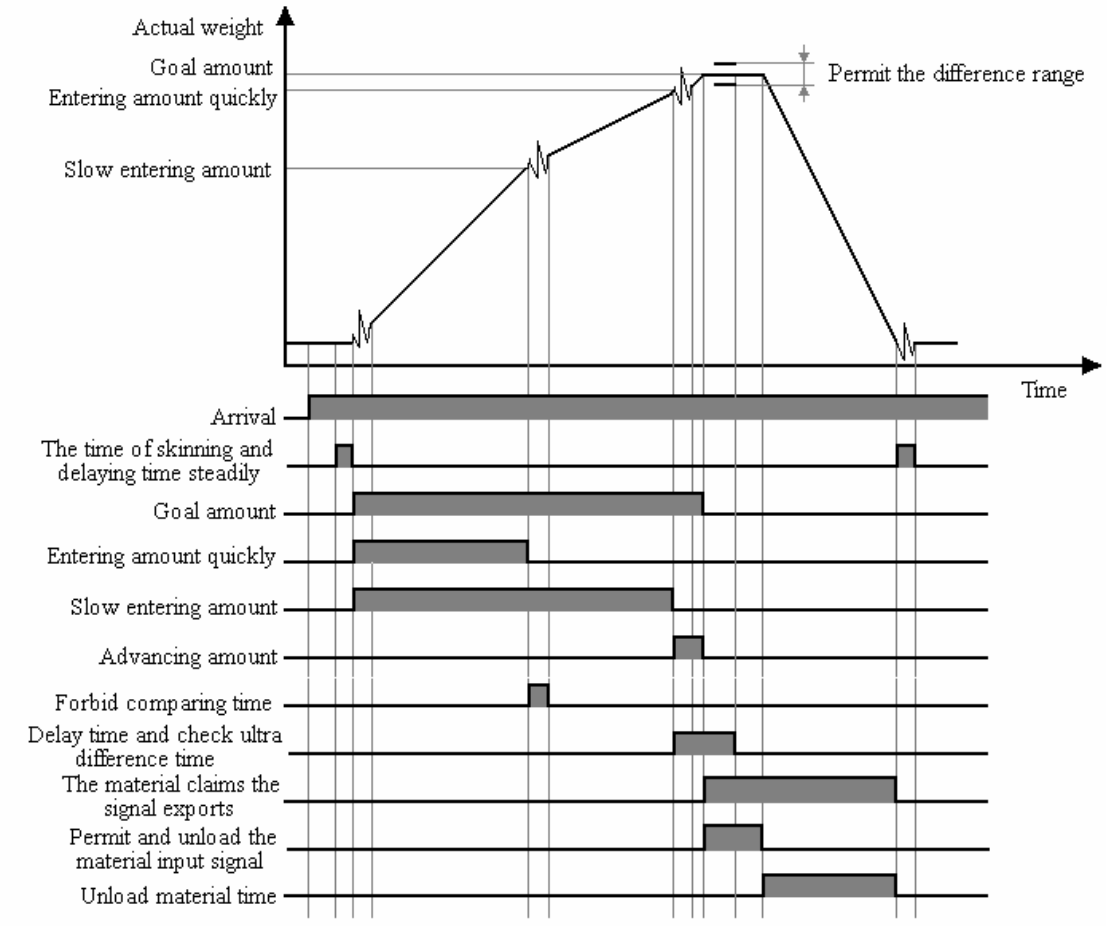
该模式的配料过程将在称量斗中完成，当配料完毕后，输出称完料信号，在接收到允卸料输入信号后，开始卸料，控制器将完成一个控制过程。

Batching course of mode this in weigh of fighting finishing, after the batching is finished, output and finish calling the material signal, Receiving it after permit and unload the material input signal, begin to unload the material , the controller will finish a control course.

模式 11 时序图

Chronological chart of mode 11





◆ **无纺定量配料秤称重的操作过程（工作模式为 11）**

Have not spun operation course that the quantitative batching balance weighs (work pattern is 11)

开工 此时，称料斗内应无物料，进料机构及秤门关闭到位，上料位已测到存料仓有料，当按 ACK/Run 键时，快速量和慢速量继电器同时输出。

Run At this moment, claim the hopper planted agent has no supplies , charge-in organization and

balance door close and put in place, material loading location is it is it deposit material storehouse

there is material to get to examine already。When pre ACK/Run **key, fast quantity and slow**

speed amount relay are exported at the same time

XK3201 当显示之数值到快速进料份量时，快速量输出继电器将关闭

XK3201 **until weight of fast charge-in, quantity fast output relay shut off as number value that show**

XK3201 当显示之数值到慢速进料份量时，慢速量输出继电器将关闭。

XK3201 **get as number value that show slow speed charge-in at the weight , slow speed quantity output**

relay close.

注： 慢速量执行机构通过慢速量输出讯号控制而关闭。

Note: Slow speed quantity executive body output through slow speed quantity signal control but close.

当宽容度检测延迟时间（G4-1）后，XK3201 将检查允差。如净重超出允许误差值，则超差输出口将被启动，直至卸料。

After measuring and delaying the time (G4-1) in tolerance, XK3201 will check the difference of permitting . If the net weight goes beyond and allows error value, it will be started that ultra difference exports the mouth, until unloading the material.

XK3201 称完料后仪表将料称完信号输出口启动

XK3201 claim instrument claim material signal output mouth start after the material

XK3201 在接收到允卸料输入信号后，卸料输出口启动，直至卸料延时时间到才关闭。
并处理皮重后，进行第二次称量。

XK3201 is it after permit and unload the material input signal , unload material output mouth start , until unload material delay time time is it shut off to reach to receive. After dealing with the tare, weigh for the second time.

停工 按一次 Zero/Stop 键，G6 的“▼”指示灯亮，XK3201 完成一个配料控制过程后，回到上电后的初始状态。

Stop work and pres Zero/Stop **key once, the G6 one " ▼"The indicator lamp is bright, it finishes a piece of**

batching to control XK3201 After the course, Initial state after getting back to the electricity.

紧急停工 按二次 Zero/Stop 键，“G5”的“▼”指示灯点亮，XK3201 立即停止快进量、慢进量输出讯号，并在卸料后回到上电时的初始状态。

Emergency shutdown presses Zero/Stop **key two times, " G5 " indicator lamp lights, XK3201 stops quickly immediately entering amount , slow entering amount output the signal, And the initial state while getting back to the electricity after unloading the material .**

基本操作

Operate basically

当接通电源后，显示器就显示“8888888”，如果其它任何时间出现此种显示，表示曾经断电，这时零位将可能发生飘移，请给予设备预热时间，以便传感器和控制器温度稳定。

After putting through the power, the display shows " 8888888 ", if other shows this kind any time, is it cut out once to show, zero at this moment may float, Please offer the time of preheating of equipment, so that the sensor and controller temperature are steady.

并请参照本说明书进行调校，功能设定及目标份量。请参照本说明后面板之控制输出插座及断电器逻辑电路安装电路。完成后，按 ACK/Run 键就可以进行无纺定量配料秤操作。

And please consult a manual and transfer the school, the function establishes and the weight of goal. Please is it prove control of rear board output socket and person who cut out logical circuit install the

circuit originally to consult. After finishing, pre ACK/Run key can go on not to spin the quantitative batching balance to operate.

七、控制器外形图

Controller appearance picture